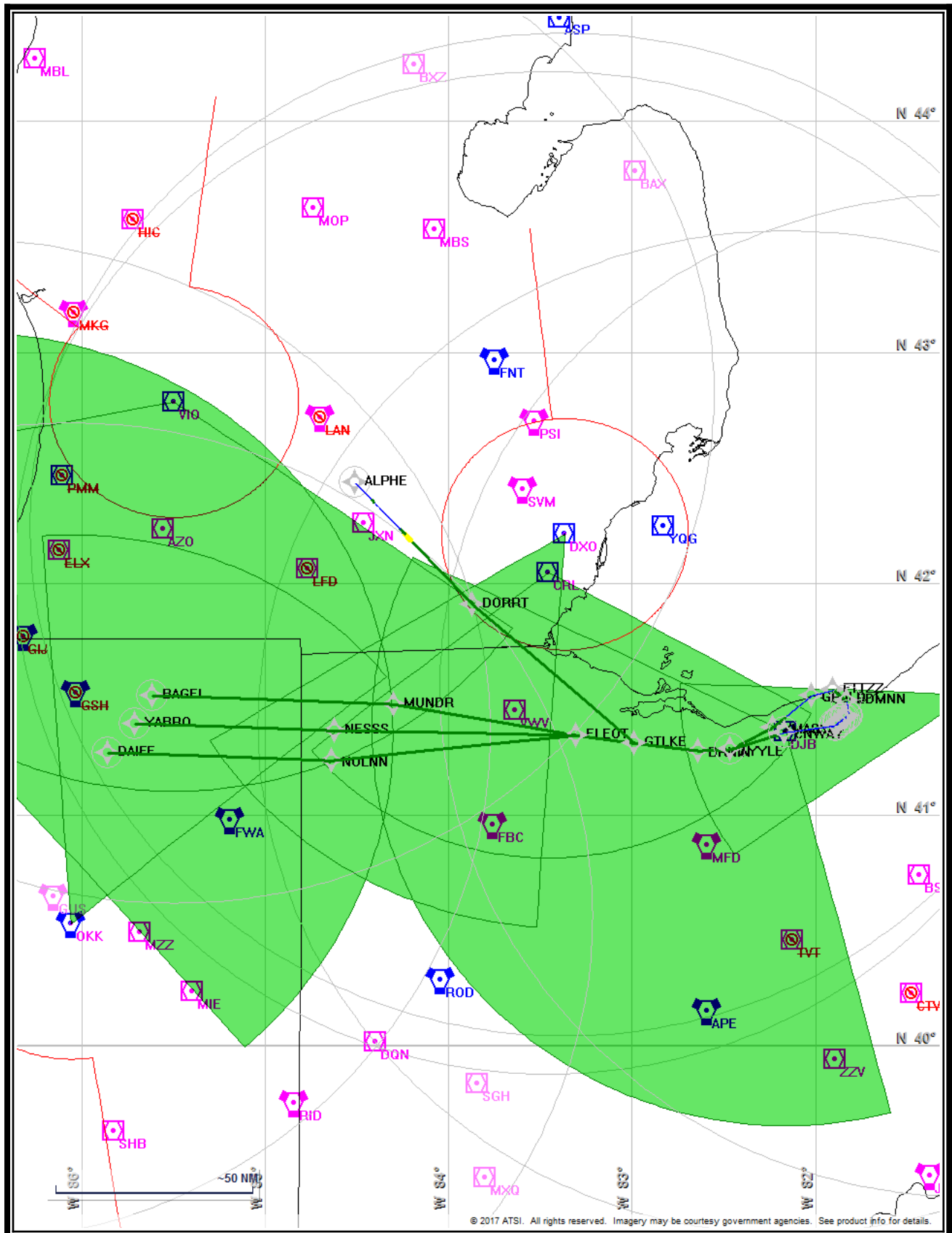


Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID ELEOT BAGEL 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:37:26 AM
Input File: [KCLE GTLKE1 SID ELEOT BAGEL 20170810_0945.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIPF Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

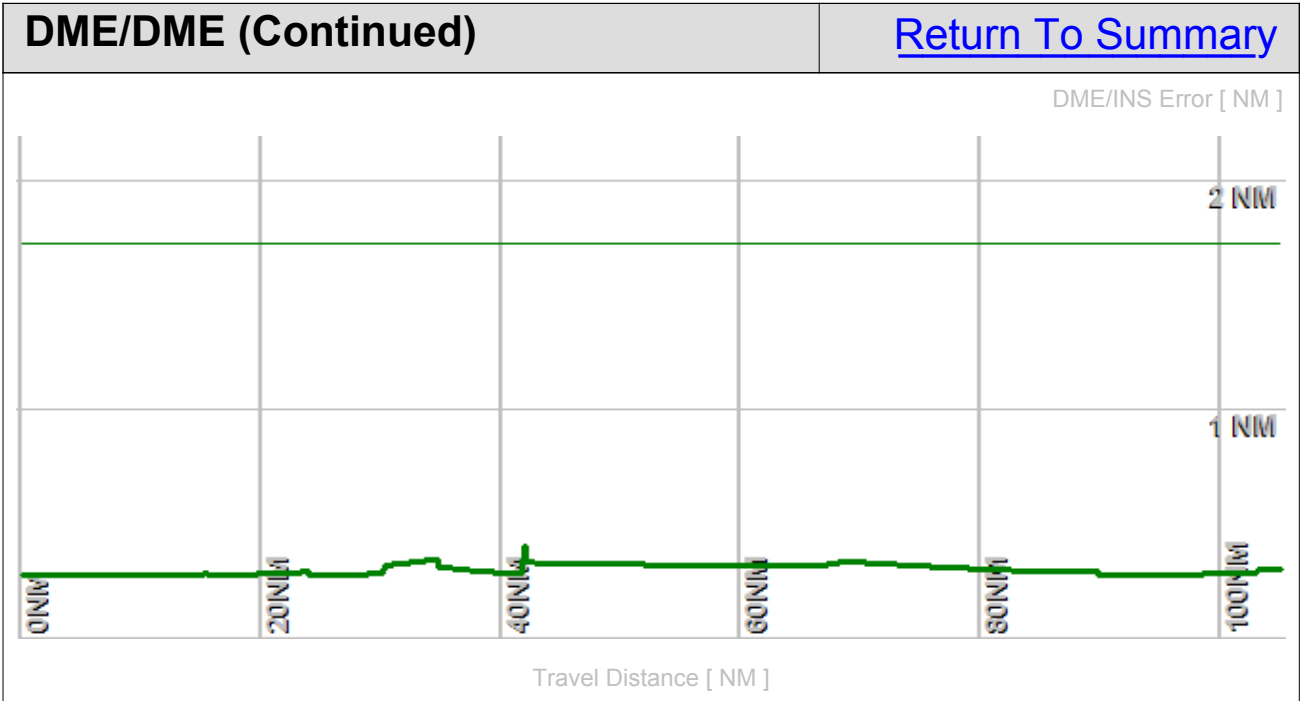
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ELEOT	WP	N 41° 20' 36.20" W 83° 18' 6.19"	10000.0	VNAV	145.0	Fly By	TF
MUNDR	WP	N 41° 28' 39.70" W 84° 17' 53.41"	10000.0	VNAV	145.0	Fly By	TF
BAGEL	WP	N 41° 30' 57.51" W 85° 36' 49.28"	10000.0	VNAV	145.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 8 Maximum DME Error: 0.401 NM. No Critical DMEs were found. Available DMEs: CRL, DJB, FBC, VWV, DXO, VIO, OXI, OKK, FWA Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV Foreign DMEs within range: YQG, YQO, YVV, YWT, YXU, YYZ Co-Frequency Interference: 109(AZO, YNG), 112.9(MBS) and 114.4(ACO, MIE). </p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H + ESV	User	NO	0.401	Enabled	25.0%	25.0%
2	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H + ESV	User	NO	0.628	Enabled	26.8%	26.8%
3	FBC	N 40° 57' 19.20" W 83° 45' 21.69" 02 W	L	Database	NO	0.401	Enabled	25.7%	25.7%
4	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	Database	NO	0.401	Enabled	6.6%	6.6%
5	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + ESV	User	NO	0.435	Enabled	20.9%	20.9%
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H + ESV	User	NO	0.727	Enabled	47.4%	47.4%
7	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H + ESV	User	NO	0.472	Enabled	35.1%	35.1%
8	FWA	N 40° 58' 44.63" W 85° 11' 17.01" 06 W	H	Database	NO	0.401	Enabled	12.6%	12.6%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		DJB	CRL	FBC	VWV	DXO			
30.3		DJB	CRL	FBC	VIO	DXO	VWV		
45.4		OXI	CRL	VWV	VIO	DXO	DJB		
58.1		OXI	FWA	OKK	VIO	DXO			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
ELEOT	MUNDR	VIO, DJB, DXO, CRL, FBC, and VWV
MUNDR	BAGEL	OKK, VIO, OXI, DXO, CRL, FWA, VWV, and DJB*

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Not Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

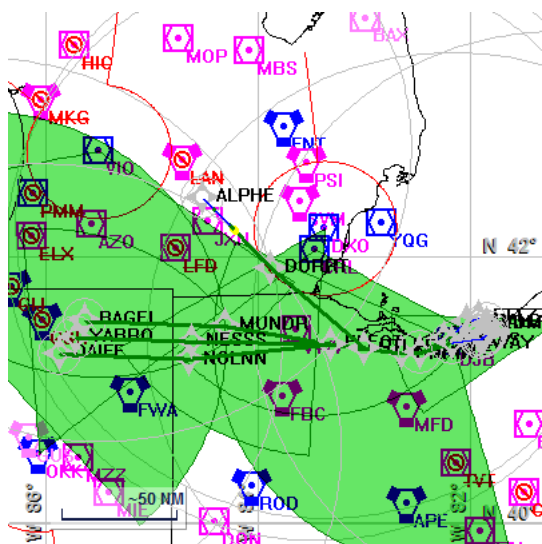
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

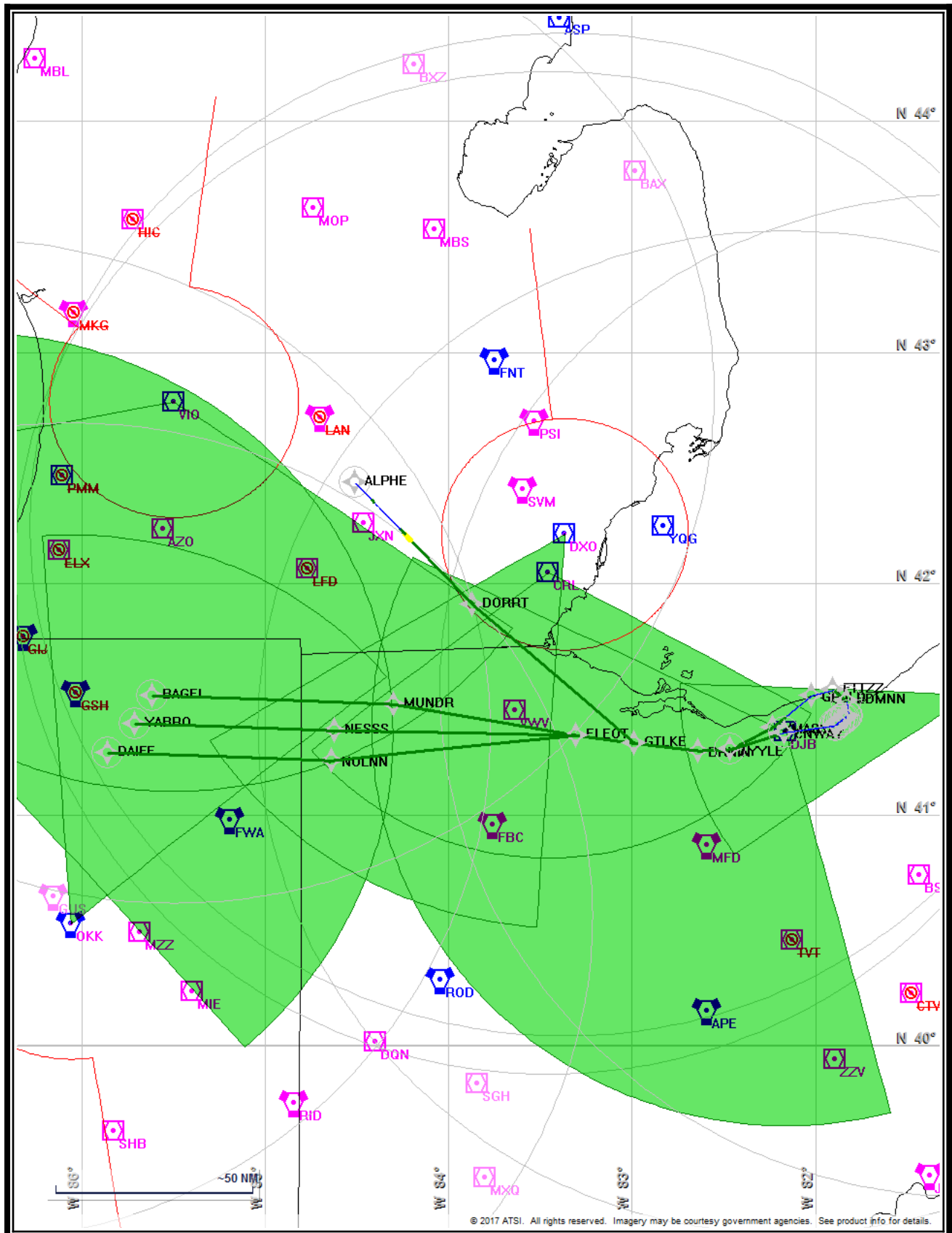
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID ELEOT YABRO 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:38:44 AM
Input File: [KCLE GTLKE1 SID ELEOT YABRO 20170829_1434.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIPF Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

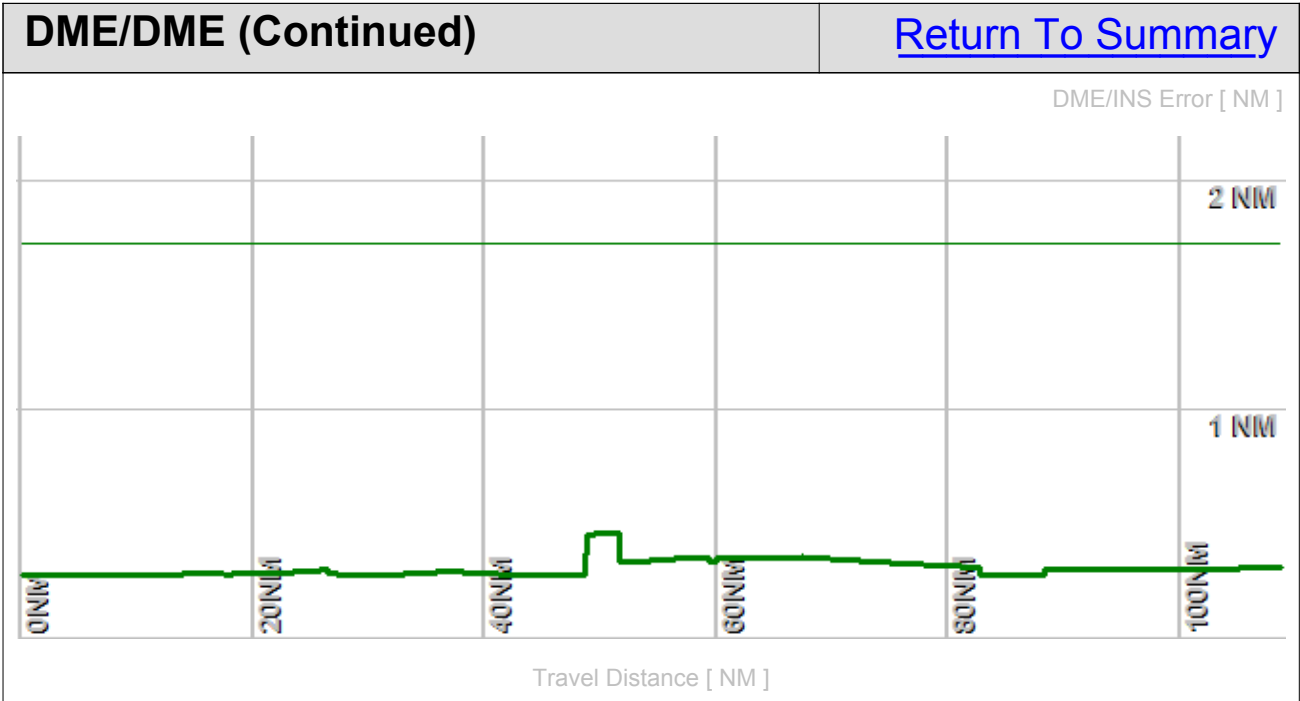
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
ELEOT	WP	N 41° 20' 36.20" W 83° 18' 6.19"	10000.0	VNAV	240.0	Fly By	TF
NESSS	WP	N 41° 21' 50.66" W 84° 37' 4.18"	10000.0	VNAV	240.0	Fly By	TF
YABRO	WP	N 41° 23' 40.69" W 85° 42' 26.27"	10000.0	VNAV	240.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated
Total Number of DMEs Used: 8 Maximum DME Error: 0.465 NM. No Critical DMEs were found. Available DMEs: CRL, DJB, FBC, VWV, DXO, OXI, VIO, FWA, OKK Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV Foreign DMEs within range: YQG, YQO, YVV, YWT, YXU, YYZ Co-Frequency Interference: 109(AZO, YNG) and 114.4(ACO, MIE)	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H + ESV	User	NO	0.465	Enabled	25.6%	25.6%
2	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H + ESV	User	NO	0.774	Enabled	23.8%	23.8%
3	FBC	N 40° 57' 19.20" W 83° 45' 21.69" 02 W	L	Database	NO	0.465	Enabled	30.9%	30.9%
4	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	Database	NO	0.465	Enabled	10.2%	10.2%
5	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + ESV	User	NO	0.493	Enabled	15.6%	15.6%
6	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H + ESV	User	NO	0.450	Enabled	40.7%	40.7%
7	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H + ESV	User	NO	0.498	Enabled	47.4%	47.4%
8	FWA	N 40° 58' 44.63" W 85° 11' 17.01" 06 W	H	Database	NO	0.465	Enabled	5.8%	5.8%
	Total Coverage							100.0%	100.0%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		DJB	CRL	FBC	VWV	DXO			
45.4		OXI	CRL	FBC	VIO	DXO	VWV		
59.4		OXI	FWA	OKK	VIO	DXO			

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
ELEOT	NESSS	VIO, OXI, DJB, DXO, CRL, FBC, VWV, and FWA*
NESSS	YABRO	OKK, VIO, OXI, DXO, and FWA

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Not Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

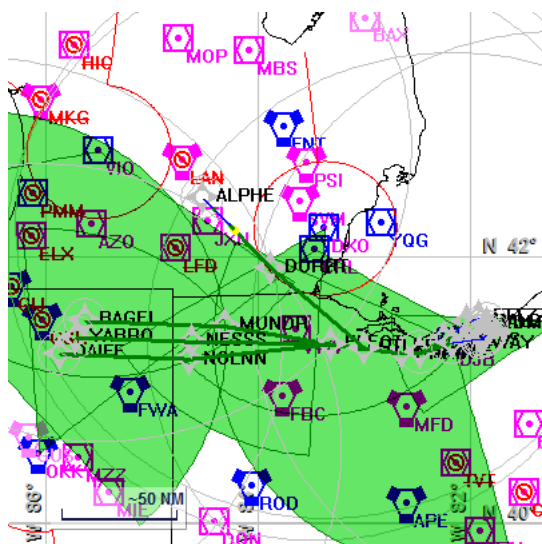
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

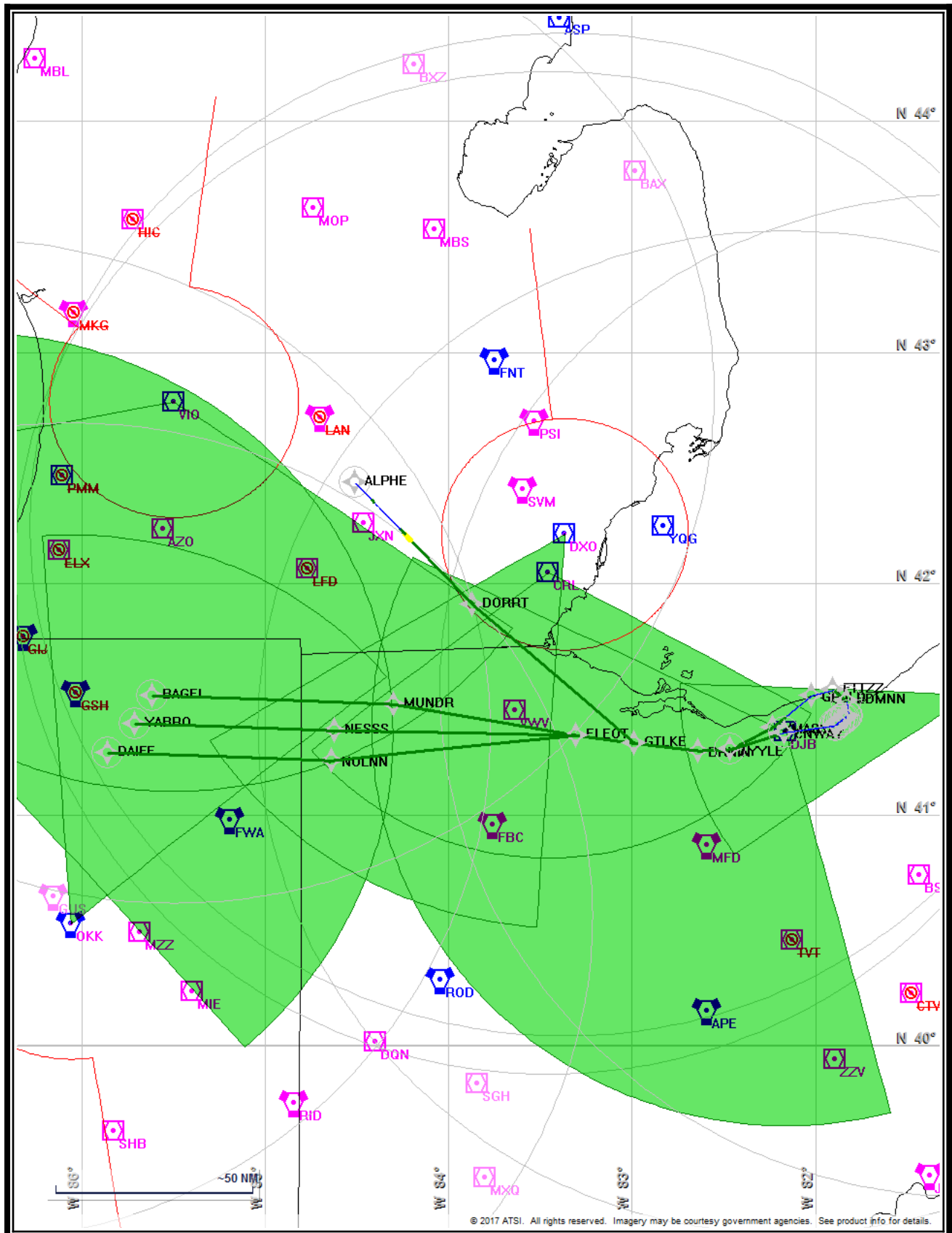
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID GTLKE ALPHE 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:39:22 AM
Input File: [KCLE GTLKE1 SID GTLKE ALPHE 20170829_1435.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIPF Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

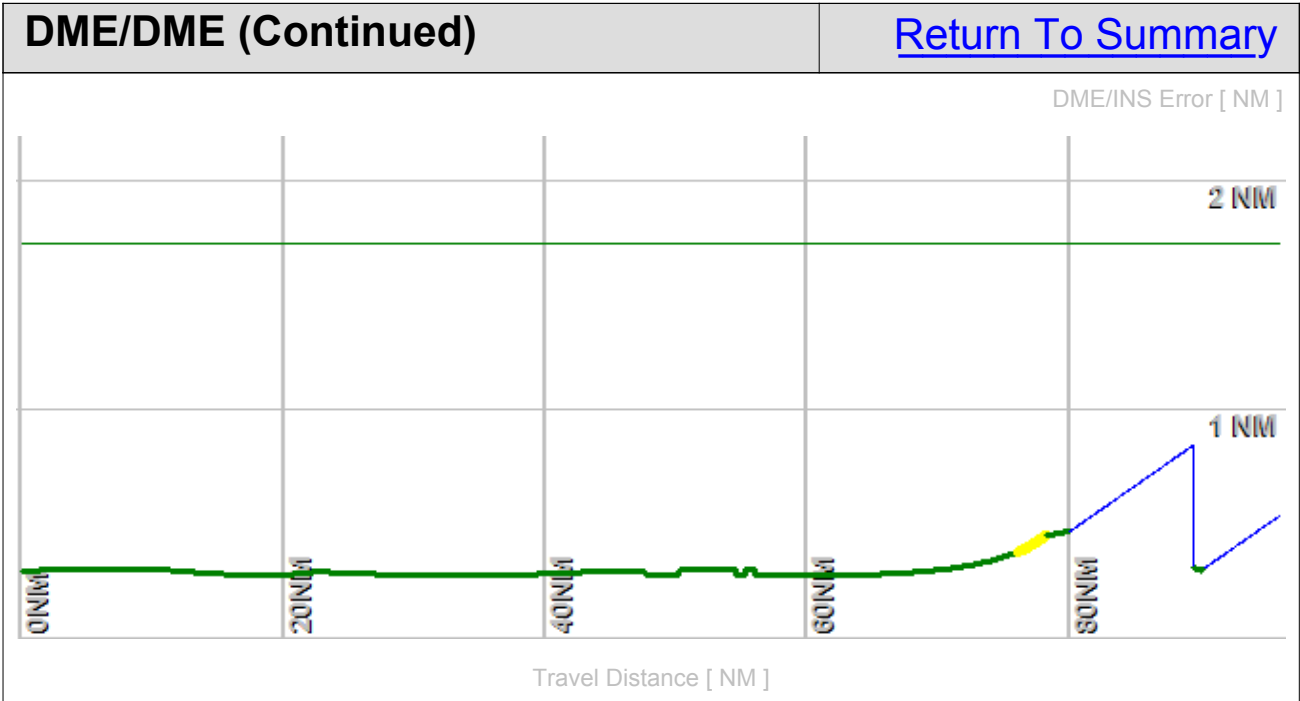
Flyability	✓	
DME/DME	✓	No Critical DMEs Exist
Radars	?	
Comms	?	
TERPS	?	



Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
GTLKE	WP	N 41° 18' 33.58" W 82° 59' 9.65"	10000.0	VNAV	240.0	Fly By	TF
DORRT	WP	N 41° 54' 34.50" W 83° 52' 10.74"	10000.0	VNAV	240.0	Fly By	TF
ALPHE	WP	N 42° 26' 9.24" W 84° 30' 35.70"	10000.0	VNAV	240.0	Fly Over	TF

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: <i>None assigned</i> Ground Speeds: Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.558 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated </p>
<p> Total Number of DMEs Used: 6 Maximum DME Error: 0.846 NM. No Critical DMEs were found. Available DMEs: CRL, DJB, MFD, VWV, DXO, SVM, JXN Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV Foreign DMEs within range: YQG, YQO, YVV, YWT, YXU, YYZ, YEE Co-Frequency Interference: 108.2(FBC), 109(AZO, YNG) and 114.4(ACO, MIE). </p>	



DME/DME (Continued)							Return To Summary		
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H + ESV	User	NO	0.978	Enabled	30.6%	30.6%
2	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H + ESV	User	NO	1.055	Enabled	41.2%	41.2%
3	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	Database	NO	0.846	Enabled	23.9%	23.9%
4	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + ESV	User	NO	0.846	Enabled	26.9%	26.9%
5	SVM	N 42° 24' 31.09" W 83° 35' 38.05" 03 W	L	Database	NO	1.511	Enabled	26.6%	26.6%
6	JXN	N 42° 15' 33.27" W 84° 27' 30.77" 05 W	L	Database	NO	1.114	Enabled	18.7%	18.7%
	Total Coverage							83.9%	83.9%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0		DJB	CRL	VWV	MFD				
20.2		DJB	CRL	VWV	DXO				
40.4		DJB	JXN	VWV	DXO	SVM		CRL	
53.4		DJB	CRL	VWV	DXO	SVM		JXN	
63.5		CRL	JXN	DXO	SVM				
Inertial Drift Segments									
#	Start Location			End Location				Length [NM]	

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
GTLKE	DORRT	DJB, DXO, CRL, JXN, MFD, SVM, and VWV
DORRT	ALPHE	DJB, DXO, CRL, JXN, SVM, and VWV

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Not Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Not Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Not Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

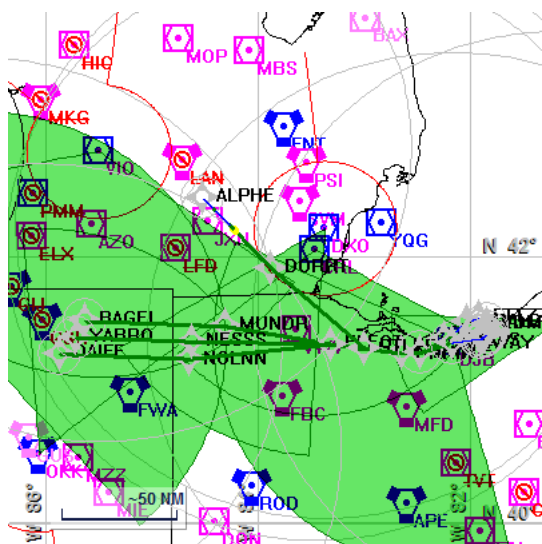
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID RW06L DAIFE 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:38:05 AM
Input File: [KCLE GTLKE1 SID RW06L DAIFE 20170810_0910.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIFP Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability** Results

DME/DME



No coverage at beginning of the procedure/route!
 No Critical DMEs Exist

Radars

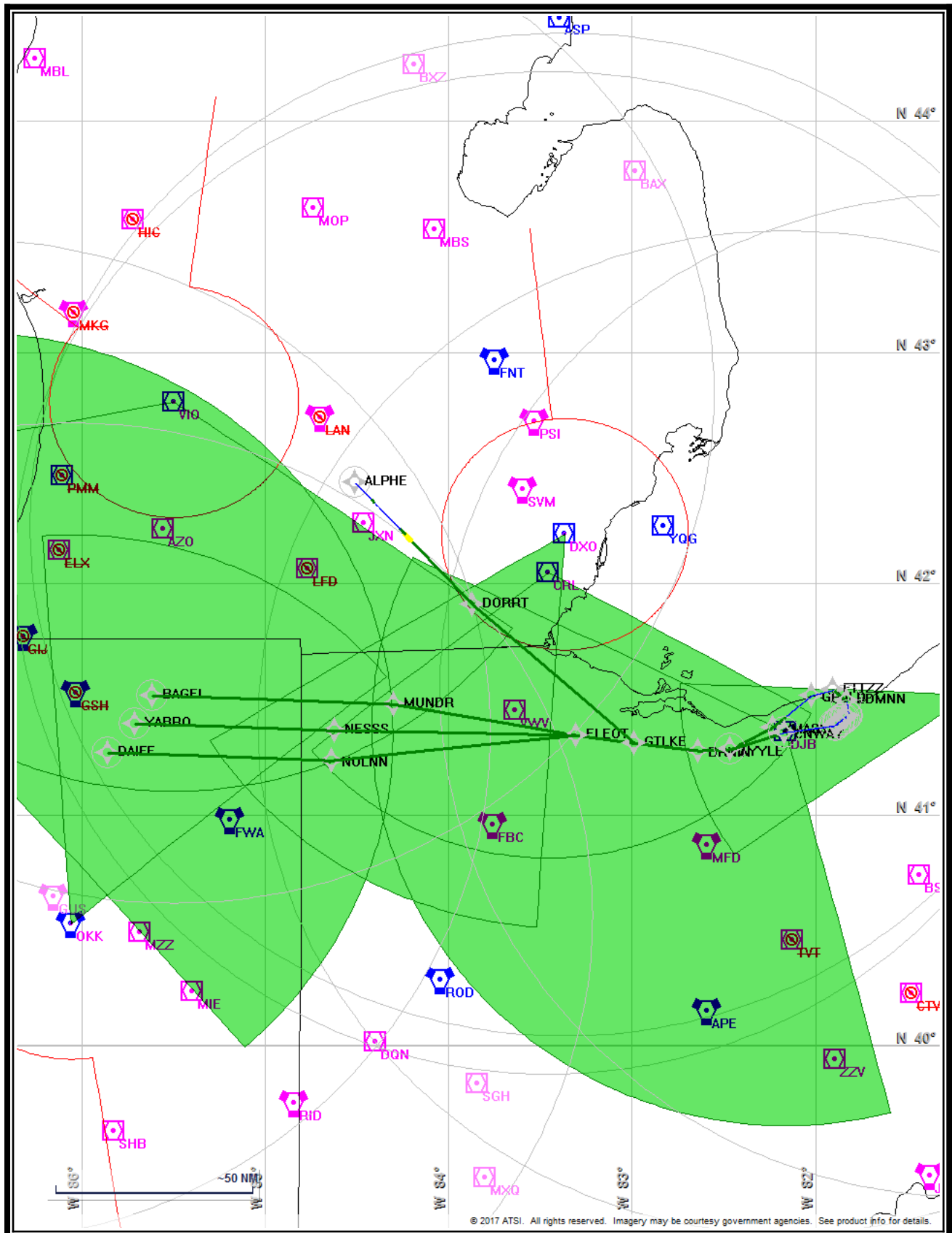


Comms



TERPS

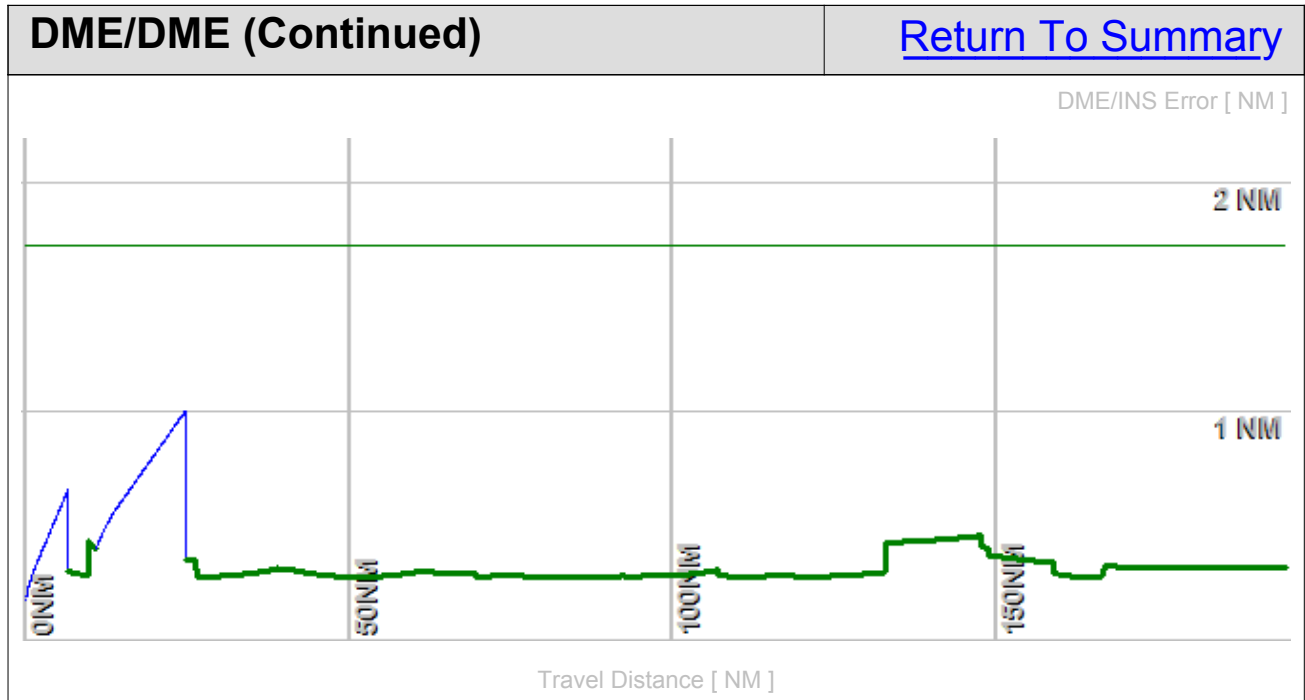




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW06L(...	WP	N 41° 23' 59.53" W 81° 52' 24.55"	770.4	VNAV	0.0	Fly Over	TF
RW24R(...	WP	N 41° 24' 56.75" W 81° 50' 54.15"	815.3	VNAV	130.0	Fly Over	VA
GH06L:	WP	N 41° 25' 36.89" W 81° 49' 50.69"	1335.0	VNAV	145.0	Fly Over	DF
EDMNN	WP	N 41° 29' 32.72" W 81° 49' 46.03"	2120.8	VNAV	145.0	Fly By	TF
FTTZZ	WP	N 41° 32' 20.00" W 81° 54' 12.81"	2990.7	VNAV	145.0	Fly By	TF
GRALD	WP	N 41° 30' 54.16" W 82° 1' 14.98"	4085.7	VNAV	145.0	Fly By	TF
XMASS	WP	N 41° 22' 40.23" W 82° 13' 59.82"	6612.3	VNAV	145.0	Fly By	TF
AYYLE	WP	N 41° 16' 55.55" W 82° 27' 46.51"	9000.0	VNAV	145.0	Fly By	TF
BRNIN	WP	N 41° 16' 36.64" W 82° 38' 14.05"	10000.0	VNAV	145.0	Fly By	TF
GTLKE	WP	N 41° 18' 33.58" W 82° 59' 9.65"	10000.0	VNAV	145.0	Fly By	TF
ELEOT	WP	N 41° 20' 36.20" W 83° 18' 6.19"	10000.0	VNAV	145.0	Fly By	TF
NOLNN	WP	N 41° 14' 3.75" W 84° 38' 12.01"	10000.0	VNAV	145.0	Fly By	TF
DAIFE	WP	N 41° 16' 8.00" W 85° 51' 19.00"	10000.0	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was 9.25 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.165 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated Minimum MSL DMEs Avail: 2126 ft </p>
<p>Total Number of DMEs Used: 11</p> <p>No coverage at beginning of the procedure/route!</p> <p>Maximum DME Error: 1.007 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: DJB, CXR, ACO, MFD, CRL, VWV, FBC, DXO, OXI, FWA, VIO, OKK</p> <p>Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV</p> <p>Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p> <p>Co-Frequency Interference: 109(AZO, YNG) and 114.4(ACO, MIE)</p>	



DME/DME (Continued)						Return To Summary			
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H + ESV	User	NO	1.129	Enabled	31.5%	31.7%
2	ACO	N 41° 6' 28.45" W 81° 12' 5.49" 04 W	L	Database	NO	1.007	Enabled	2.6%	1.6%
3	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H + ESV	User	NO	1.028	Enabled	5.4%	5.3%
4	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	Database	NO	1.071	Enabled	17.6%	18.5%
5	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H + ESV	User	NO	1.007	Enabled	25.1%	26.4%
6	FBC	N 40° 57' 19.20" W 83° 45' 21.69" 02 W	L	Database	NO	1.007	Enabled	19.6%	20.6%
7	VWV	N 41° 27' 5.35" W 83° 38' 19.30" 02 W	L	Database	NO	1.007	Enabled	6.5%	6.8%
8	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H + ESV	User	NO	1.007	Enabled	11.5%	12.1%
9	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H + ESV	User	NO	1.007	Enabled	30.2%	31.7%
10	FWA	N 40° 58' 44.63" W 85° 11' 17.01" 06 W	H	Database	NO	1.007	Enabled	4.5%	4.7%
11	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H + ESV	User	NO	1.007	Enabled	18.6%	19.5%
	Total Coverage							86.5%	89.5%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.5		DJB							
2.5		DJB	CXR						
6.2		DJB	CXR	ACO					
10.5		DJB	CXR						
15.7		DJB	CXR	CRL		MFD			
28.6		DJB	CXR	CRL		MFD			
40.2		DJB	CXR	CRL		MFD			

DME/DME (Continued)						Return To Summary
Flight Check DME Selection (Continued)						
Distance [NM]	Selected DMEs					Alternate
48.3	DJB	VWV	CXR	CRL	MFD	
64.4	DJB	VWV	FBC	CRL	MFD	
78.5	DJB	VWV	FBC	CRL	DXO	OXI
129.1	OXI	FWA	FBC	CRL	DXO	VWV
139.3	OXI	FWA	OKK	VIO	DXO	
Inertial Drift Segments						
#	Start Location	End Location				Length [NM]
1	N 41° 23' 59.53" W 81° 52' 24.55"	N 41° 29' 31.31" W 81° 49' 49.42"				6.5
	VOR: CLE	Available from N 41° 23' 59.53" W 81° 52' 24.55" to N 41° 29' 31.31" W 81° 49' 49.42"				
	VOR: DJB	Available from N 41° 23' 59.53" W 81° 52' 24.55" to N 41° 29' 31.31" W 81° 49' 49.42"				
	VOR: CAK	Available from N 41° 23' 59.53" W 81° 52' 24.55" to N 41° 29' 31.31" W 81° 49' 49.42"				
	VOR: ACO	Available from N 41° 23' 59.53" W 81° 52' 24.55" to N 41° 29' 31.31" W 81° 49' 49.42"				
	VOR: CXR	Available from N 41° 23' 59.53" W 81° 52' 24.55" to N 41° 29' 31.31" W 81° 49' 49.42"				
2	N 41° 32' 14.67" W 81° 54' 7.57"	N 41° 25' 26.74" W 82° 9' 42.72"				13.9
	VOR: CLE	Available from N 41° 32' 14.67" W 81° 54' 7.57" to N 41° 25' 26.74" W 82° 9' 42.72"				
	VOR: DJB	Available from N 41° 32' 14.67" W 81° 54' 7.57" to N 41° 25' 26.74" W 82° 9' 42.72"				
	VOR: CXR	Available from N 41° 32' 14.67" W 81° 54' 7.57" to N 41° 29' 47.38" W 82° 2' 59.00"				
	VOR: MFD	Available from N 41° 26' 25.41" W 82° 8' 11.96" to N 41° 25' 26.74" W 82° 9' 42.72"				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW06L(AER)	RW24R(DER)	
RW24R(DER)	GH06L:	DJB
GH06L:	EDMNN	CXR and DJB
EDMNN	FTTZZ	CXR, DJB, and ACO
FTTZZ	GRALD	CXR and DJB
GRALD	XMASS	CXR, DJB, CRL, and MFD
XMASS	AYYLE	CXR, DJB, CRL, and MFD
AYYLE	BRNIN	CXR, DJB, CRL, and MFD
BRNIN	GTLKE	CXR, DJB, CRL, MFD, and VWV
GTLKE	ELEOT	DJB, CRL, FBC, MFD, and VWV
ELEOT	NOLNN	OXI, DJB, DXO, CRL, FBC, FWA, and VWV
NOLNN	DAIFE	OKK, VIO, OXI, DXO, and FWA

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

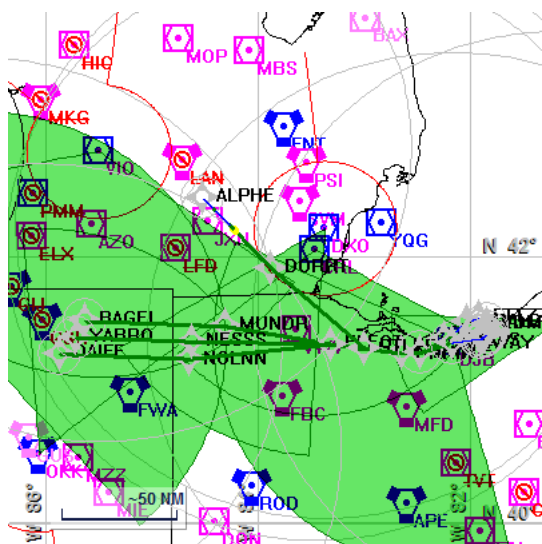
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID RW06R EDMNN 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:40:00 AM
Input File: [KCLE GTLKE1 SID RW06R EDMNN 20170829_1429.txt](#)
Databases: AIRNAV Date: 9/17/2017
CIFP Date: 7/20/2017
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No coverage at beginning of the procedure/route!
No Critical DMEs Exist

Radars

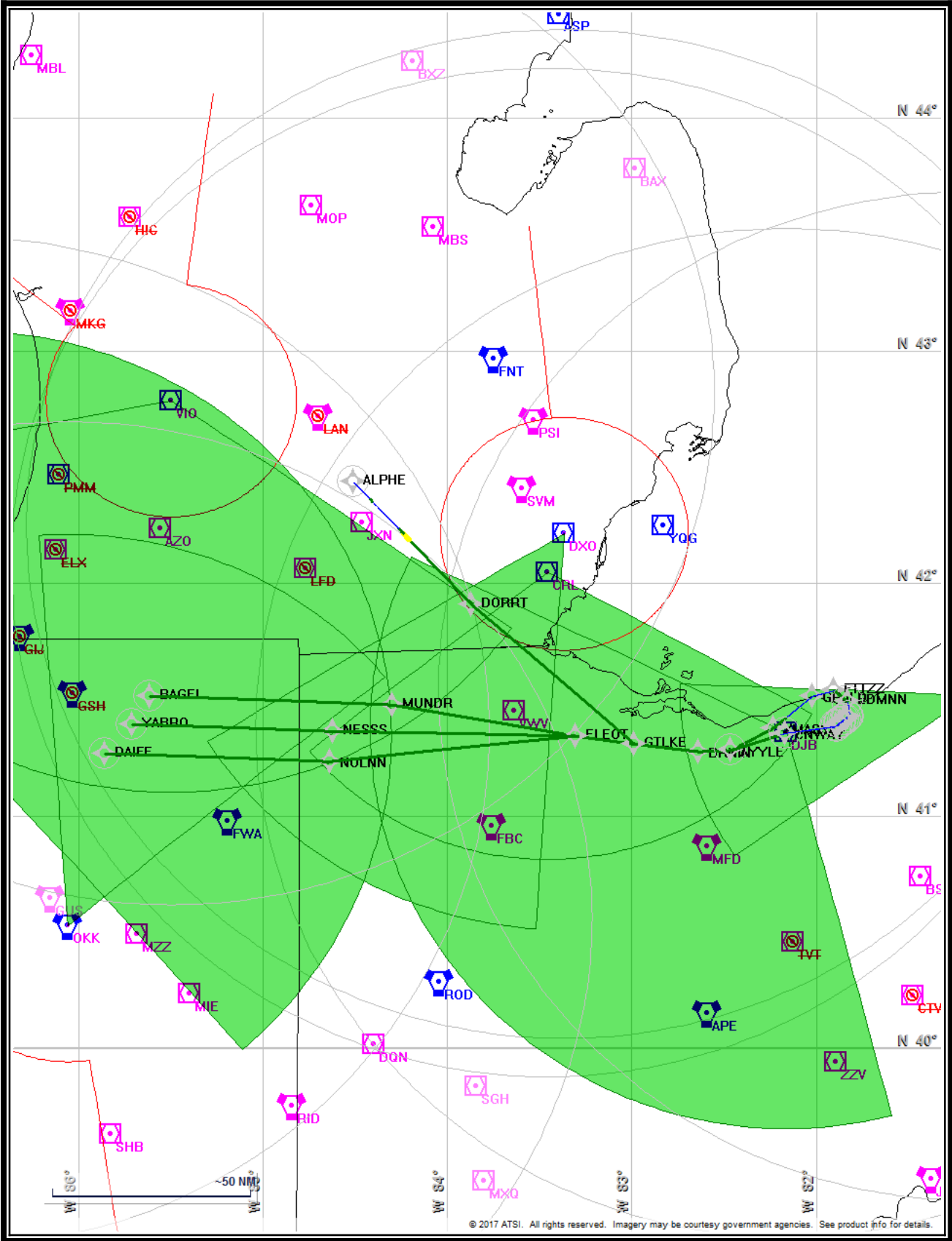


Comms



TERPS

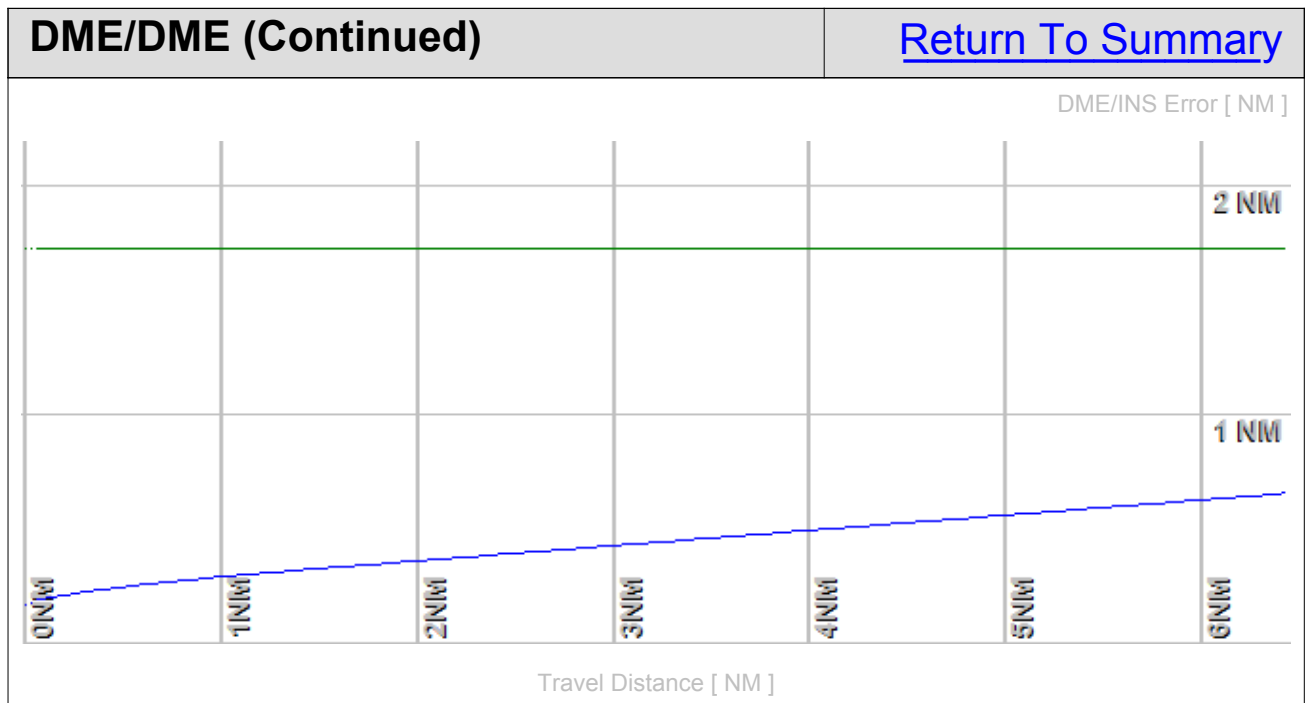




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW06R(...	WP	N 41° 24' 4.10" W 81° 51' 52.03"	775.6	VNAV	0.0	Fly Over	TF
RW24L(...	WP	N 41° 24' 55.14" W 81° 50' 31.37"	820.7	VNAV	130.0	Fly Over	VA
GH06R:	WP	N 41° 25' 34.86" W 81° 49' 28.56"	1335.0	VNAV	145.0	Fly Over	DF
EDMNN	WP	N 41° 29' 32.72" W 81° 49' 46.03"	2128.7	VNAV	240.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p>RNP: 2.0</p> <p>Flight Mode: Manual</p> <p>Line of Sight (DTED Level 0 Max): Evaluated</p> <p>DME Restrictions: Evaluated</p> <p>Inertial Drift: Enabled</p> <p>Initial Drift: 0.165 NM</p> <p>INS Drift Rate: 8.000 NM/Hour</p> <p>Range Mode: OSV</p> <p>Co-Frequencies: Evaluated</p> <p>RNP Edges: Evaluated</p> <p>Min DME Range: 3.0 NM</p> <p>Allowed Gap Length: 4.0 NM</p> <p>DME Types: VOR/DME, VORTAC, Standalone, and User</p> <p>DME Include Angles: 30 to 150</p> <p>Critical DMEs: Allowed</p> <p>DoD Facilities: Not included</p> <p>Foreign Facilities: Not included</p> <p>Low DMEs: Included</p> <p>Terminal DMEs: Included</p> <p>Flight Check DMEs: Selected</p> <p>Higher Altitudes: Evaluated</p> <p>Near Maximum Altitude: Evaluated</p>
<p>Total Number of DMEs Used: 0</p> <p>No coverage at beginning of the procedure/route!</p> <p>Maximum DME Error Could not be Derived with < 2 DMEs.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: DJB, CXR</p> <p>Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV</p> <p>Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p>	



DME/DME (Continued)					Return To Summary	
Flight Check DME Selection						
Distance [NM]		Selected DMEs				Alternate
0.0						
1.3		DJB				
2.4		DJB	CXR			
Inertial Drift Segments						
#	Start Location		End Location			Length [NM]
1	N 41° 24' 4.10" W 81° 51' 52.03"		N 41° 29' 32.44" W 81° 49' 45.98"			6.4
VOR: CLE		Available from N 41° 24' 4.10" W 81° 51' 52.03" to N 41° 29' 32.44" W 81° 49' 45.98"				
VOR: DJB		Available from N 41° 24' 4.10" W 81° 51' 52.03" to N 41° 29' 32.44" W 81° 49' 45.98"				
VOR: CAK		Available from N 41° 24' 4.10" W 81° 51' 52.03" to N 41° 29' 32.44" W 81° 49' 45.98"				
VOR: ACO		Available from N 41° 24' 4.10" W 81° 51' 52.03" to N 41° 29' 32.44" W 81° 49' 45.98"				
VOR: CXR		Available from N 41° 24' 4.10" W 81° 51' 52.03" to N 41° 29' 32.44" W 81° 49' 45.98"				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW06R(AER)	RW24L(DER)	
RW24L(DER)	GH06R:	DJB
GH06R:	EDMNN	CXR and DJB

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Not Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Not Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Not Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Not Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Not Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Not Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

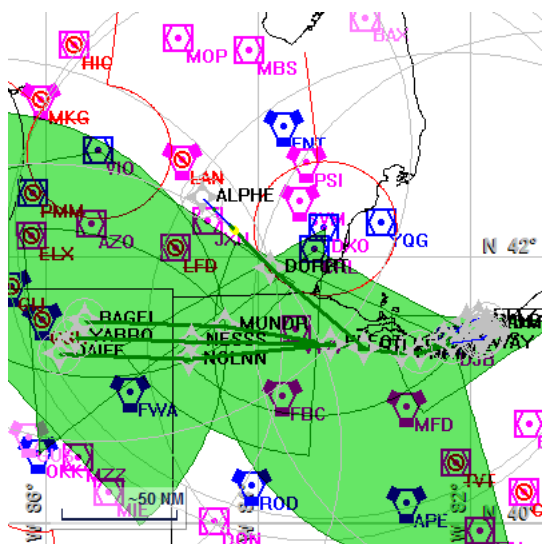
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID RW24L AYYLE 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:40:38 AM
Input File: [KCLE GTLKE1 SID RW24L AYYLE 20170829_1430.txt](#)
Databases: AIRNAV Date: 9/17/2017
CIFP Date: 7/20/2017
DTED® (MAX) Date: 2002

Results Summary:

Flyability



DME/DME



No coverage at beginning of the procedure/route!
No Critical DMEs Exist

Radars

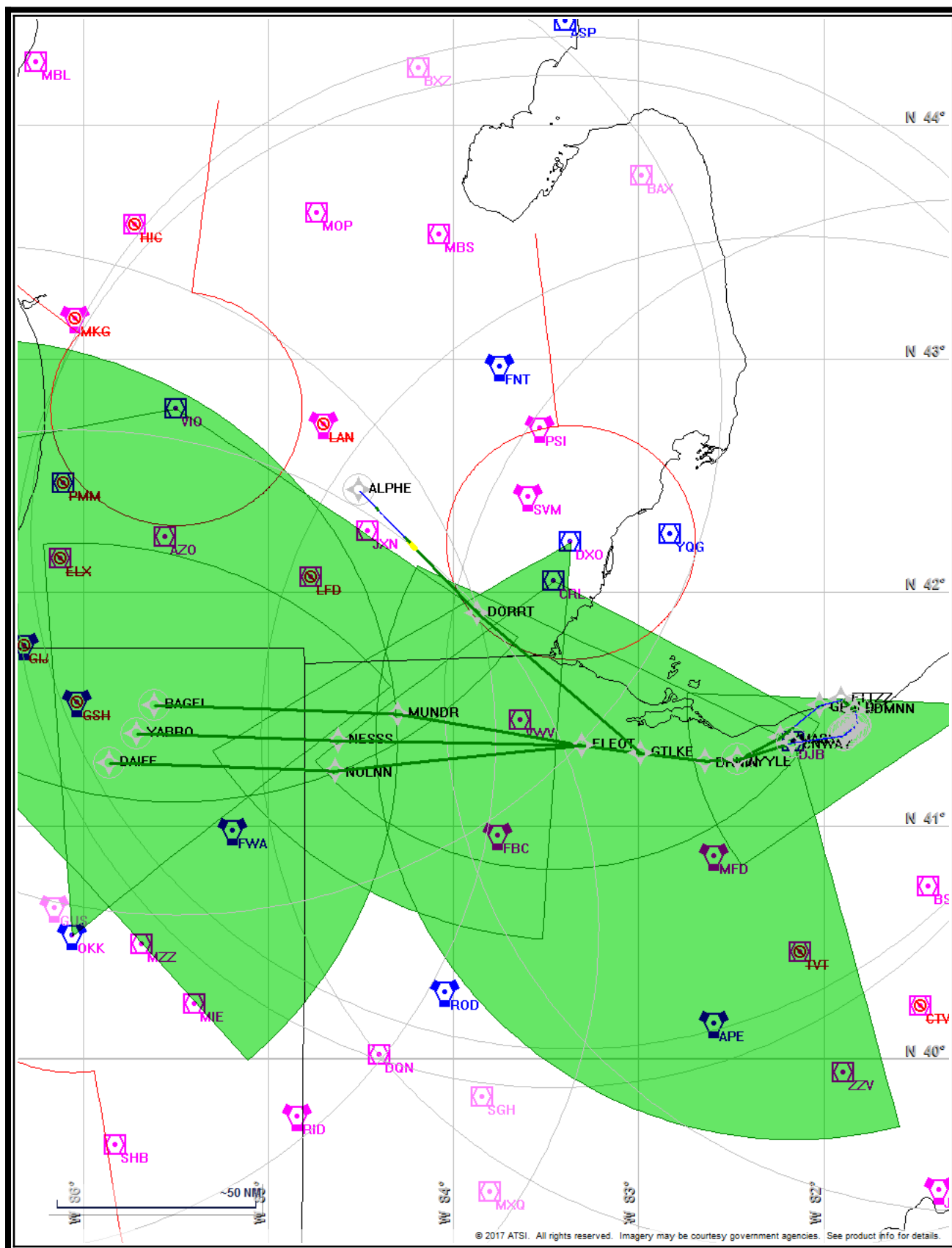


Comms



TERPS

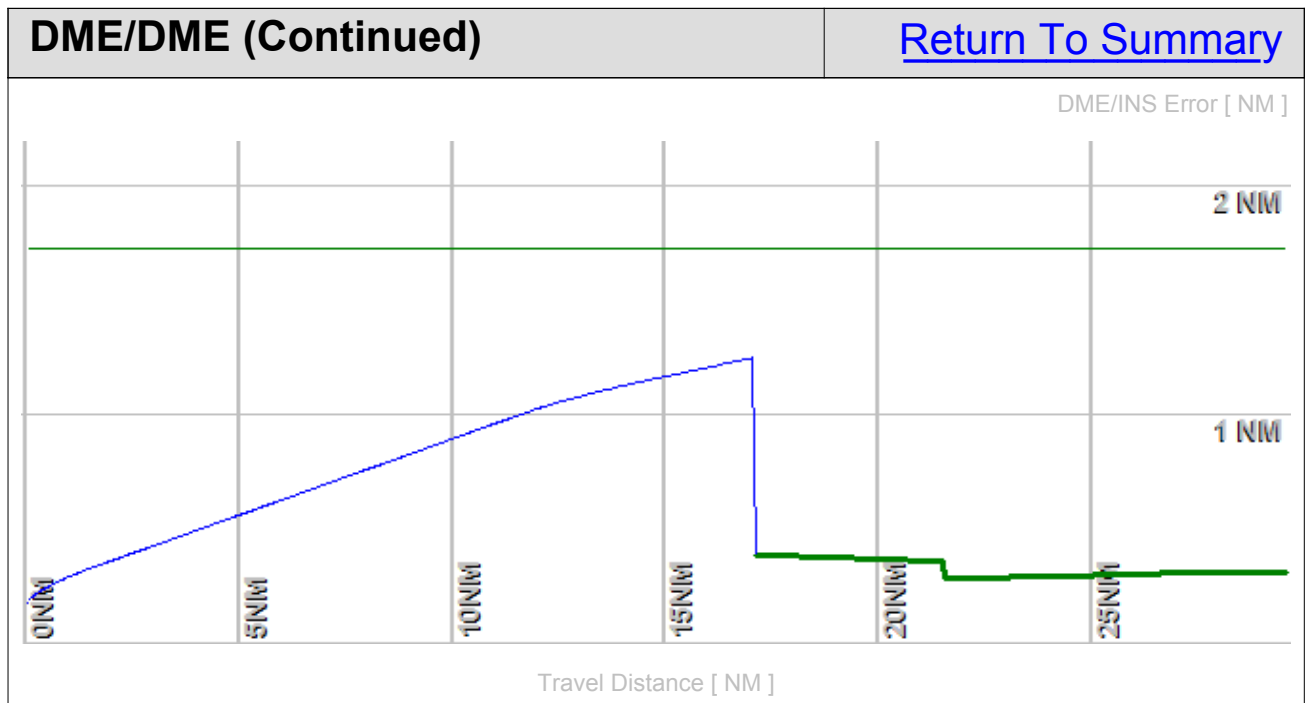




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW24L(...	WP	N 41° 24' 55.14" W 81° 50' 31.37"	785.7	VNAV	0.0	Fly Over	TF
RW06R(...	WP	N 41° 23' 51.85" W 81° 52' 11.38"	810.6	VNAV	130.0	Fly Over	VA
GH24L:	WP	N 41° 23' 11.33" W 81° 53' 15.36"	1334.9	VNAV	145.0	Fly Over	DF
CNWAY	WP	N 41° 21' 20.89" W 82° 9' 56.85"	3875.1	VNAV	145.0	Fly By	TF
AYYLE	WP	N 41° 16' 55.55" W 82° 27' 46.51"	9000.0	VNAV	180.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Entire track is fly-able	

DME/DME	Return To Summary
Settings:	<p> RNP: 2.0 Flight Mode: Manual Line of Sight (DTED Level 0 Max): Evaluated DME Restrictions: Evaluated Inertial Drift: Enabled Initial Drift: 0.165 NM INS Drift Rate: 8.000 NM/Hour Range Mode: OSV Co-Frequencies: Evaluated RNP Edges: Evaluated Min DME Range: 3.0 NM Allowed Gap Length: 4.0 NM DME Types: VOR/DME, VORTAC, Standalone, and User DME Include Angles: 30 to 150 Critical DMEs: Allowed DoD Facilities: Not included Foreign Facilities: Not included Low DMEs: Included Terminal DMEs: Included Flight Check DMEs: Selected Higher Altitudes: Evaluated Near Maximum Altitude: Evaluated Minimum MSL DMEs Avail: 4489 ft </p>
<p>Total Number of DMEs Used: 4</p> <p>No coverage at beginning of the procedure/route!</p> <p>Maximum DME Error: 1.252 NM.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: DJB, CXR, MFD, CRL</p> <p>Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV</p> <p>Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p>	



DME/DME (Continued)							Return To Summary		
DMEs Used									
#	Name	Lat/Lon/MAGVAR	Range	Source	Critical	Err. [NM]	Status	Time	Distance
1	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H + ESV	User	NO	1.429	Enabled	11.2%	15.0%
2	MFD	N 40° 52' 7.00" W 82° 35' 27.46" 03 W	L	Database	NO	1.429	Enabled	25.8%	34.6%
3	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H + ESV	User	NO	1.252	Enabled	20.3%	27.3%
4	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H + ESV	User	NO	1.252	Enabled	5.7%	7.7%
	Total Coverage							31.5%	42.3%
Flight Check DME Selection									
Distance [NM]		Selected DMEs						Alternate	
0.0									
1.7		DJB							
2.7		DJB	CXR	MFD					
15.1		DJB	CXR	MFD	CRL				
Inertial Drift Segments									
#	Start Location			End Location			Length [NM]		
1	N 41° 24' 55.14" W 81° 50' 31.37"			N 41° 20' 50.56" W 82° 12' 1.14"			17.1		
VOR: CLE				Available from N 41° 24' 55.14" W 81° 50' 31.37" to N 41° 20' 50.56" W 82° 12' 1.14"					
VOR: DJB				Available from N 41° 24' 55.14" W 81° 50' 31.37" to N 41° 20' 50.56" W 82° 12' 1.14"					
VOR: CAK				Available from N 41° 24' 55.14" W 81° 50' 31.37" to N 41° 21' 46.23" W 82° 5' 48.93"					
VOR: ACO				Available from N 41° 24' 55.14" W 81° 50' 31.37" to N 41° 22' 16.82" W 82° 0' 47.26"					
VOR: CXR				Available from N 41° 24' 55.14" W 81° 50' 31.37" to N 41° 22' 11.49" W 82° 1' 39.98"					
VOR: MFD				Available from N 41° 22' 17.35" W 82° 0' 41.99" to N 41° 20' 50.56" W 82° 12' 1.14"					

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW24L(AER)	RW06R(DER)	
RW06R(DER)	GH24L:	DJB
GH24L:	CNWAY	CXR, DJB, and MFD
CNWAY	AYYLE	CXR, DJB, CRL, and MFD

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Not Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Not Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Not Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

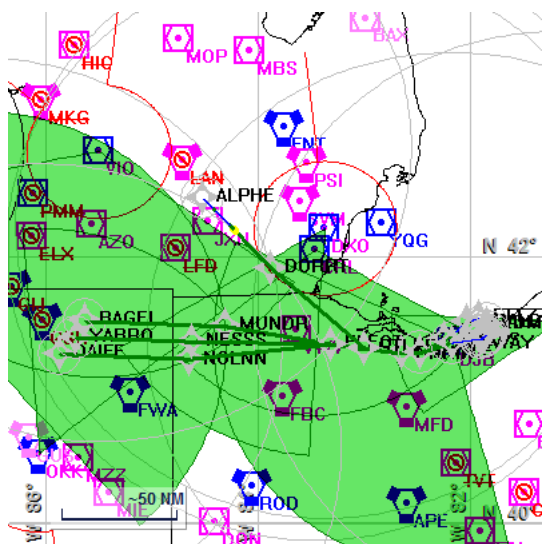
User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		



Name: William Roth
Project Name: KCLE GTLKE1 SID
Output File: KCLE GTLKE1 SID RW24R CNWAY 20171031_0836
Procedure Name: GTLKE1
Software: RNAV-Pro™
Version: 2.39
Date/Time: 10/31/2017 8:41:17 AM
Input File: [KCLE GTLKE1 SID RW24R CNWAY 20170829_1431.txt](#)
Databases: AIRNAV Date: 9/17/2017
 CIPF Date: 7/20/2017
 DTED® (MAX) Date: 2002

Results Summary:

Flyability



Please Check **Flyability** Results

DME/DME



No coverage at beginning of the procedure/route!
 No Critical DMEs Exist

Radars

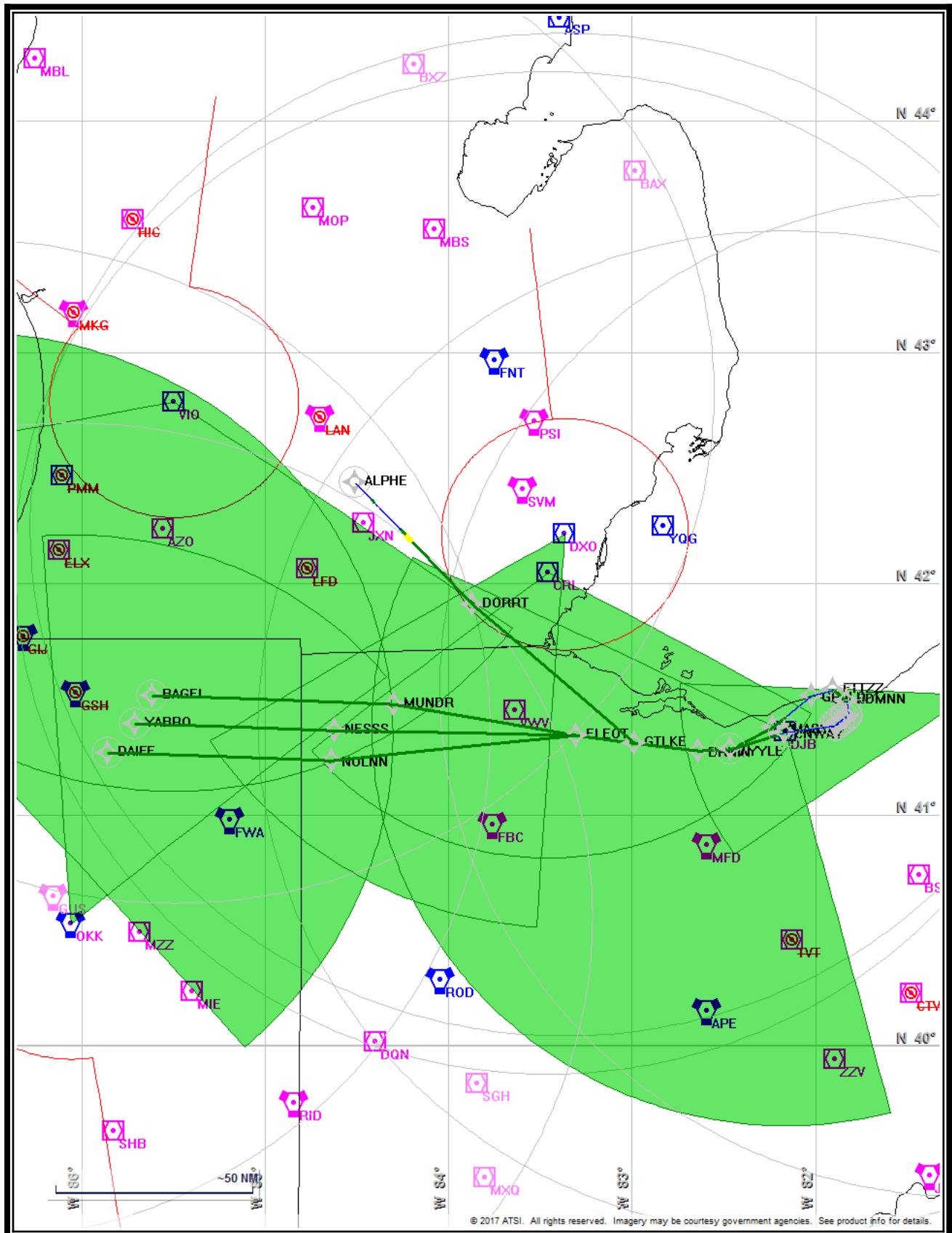


Comms



TERPS

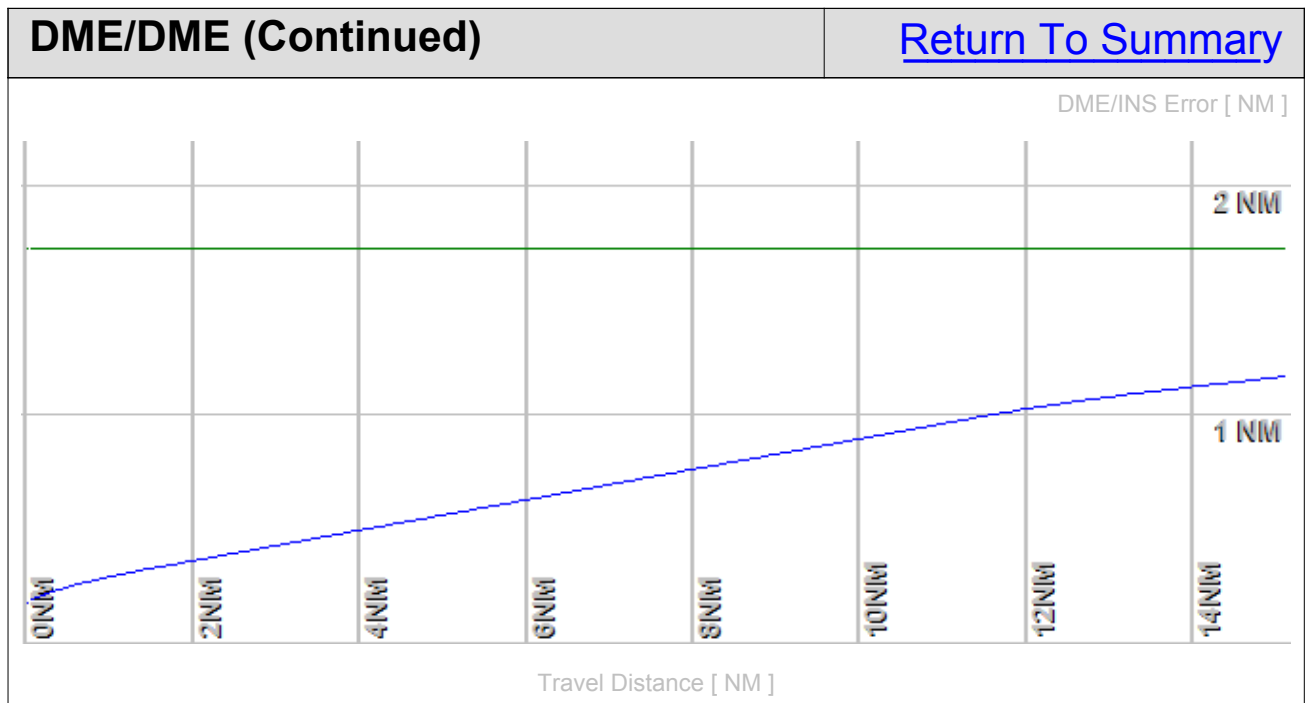




Flight Plan					Return To Summary		
Name	Type	Lat/Lon	Alt [ft]	VNAV Mode	IAS [Kts]	Turn Type	Leg Type
RW24R(...	WP	N 41° 24' 56.75" W 81° 50' 54.15"	780.3	VNAV	0.0	Fly Over	TF
RW06L(...	WP	N 41° 23' 59.53" W 81° 52' 24.55"	805.4	VNAV	130.0	Fly Over	VA
GH24R:	WP	N 41° 23' 18.61" W 81° 53' 29.17"	1335.0	VNAV	145.0	Fly Over	DF
CNWAY	WP	N 41° 21' 20.89" W 82° 9' 56.85"	3844.5	VNAV	145.0	Fly Over	TF
Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL							

Flyability		Return To Summary
Settings:	Flight Type: Departure Transition Selected Airport: KCLE Aircraft Category: Cat D Climb Gradient: 500.0 ft/NM up to 1300.0 ft MSL Ground Speeds: Departure: 120.0 Kts out to 10.0 NM Table: 200.0 Kts up to 29000.0 ft 280.0 Kts up to 99900.0 ft Wind Settings: <i>None assigned</i> Descent During a Turn: Allowed VNAV Mode: Flight Plan	
	Flight Track comes into contact with terrain. Minimum AGL along route was 6.02 Ft. Flight Track contacted terrain (DTED 0 MAX) between AER and DER or within 2/3 NM of DER.	

DME/DME	Return To Summary
Settings:	<p>RNP: 2.0</p> <p>Flight Mode: Manual</p> <p>Line of Sight (DTED Level 0 Max): Evaluated</p> <p>DME Restrictions: Evaluated</p> <p>Inertial Drift: Enabled</p> <p>Initial Drift: 0.165 NM</p> <p>INS Drift Rate: 8.000 NM/Hour</p> <p>Range Mode: OSV</p> <p>Co-Frequencies: Evaluated</p> <p>RNP Edges: Evaluated</p> <p>Min DME Range: 3.0 NM</p> <p>Allowed Gap Length: 4.0 NM</p> <p>DME Types: VOR/DME, VORTAC, Standalone, and User</p> <p>DME Include Angles: 30 to 150</p> <p>Critical DMEs: Allowed</p> <p>DoD Facilities: Not included</p> <p>Foreign Facilities: Not included</p> <p>Low DMEs: Included</p> <p>Terminal DMEs: Included</p> <p>Flight Check DMEs: Selected</p> <p>Higher Altitudes: Evaluated</p> <p>Near Maximum Altitude: Evaluated</p>
<p>Total Number of DMEs Used: 0</p> <p>No coverage at beginning of the procedure/route!</p> <p>Maximum DME Error Could not be Derived with < 2 DMEs.</p> <p>No Critical DMEs were found.</p> <p>Available DMEs: DJB, CXR, MFD</p> <p>Disabled DMEs: LAN, LFD, ELX, GIJ, PMM, MKG, HIC, PLN, MNM, CTW, JFN, TVT, BDF, DNV, EON, PLL, PNT, RBS, SAM, UIN, VLA, BVT, GSH, ECB, EWO, FLM, YRK, BRD, DWN, HML, ODI, RST, CMK, DNY, GFL, GGT, HNK, HUO, LGA, HTO, MSS, PWL, RKA, SLK, UCA, ULW, CRI, AGC, BFD, CIP, ETG, FJC, FQM, IHD, LVZ, MIP, MXE, REC, SFK, SLT, TDT, THS, AUW, JVL, LNR, STE, CKB, ESL, HNN, and GRV</p> <p>Foreign DMEs within range: YEE, YQG, YQO, YVV, YWT, YXU, YYZ</p>	



DME/DME (Continued)					Return To Summary	
Flight Check DME Selection						
Distance [NM]	Selected DMEs					Alternate
0.0						
1.5	DJB					
2.6	DJB	CXR	MFD			
Inertial Drift Segments						
#	Start Location		End Location		Length [NM]	
1	N 41° 24' 56.75" W 81° 50' 54.15"		N 41° 21' 20.99" W 82° 9' 55.95"		15.1	
VOR: CLE		Available from N 41° 24' 56.75" W 81° 50' 54.15" to N 41° 21' 20.99" W 82° 9' 55.95"				
VOR: DJB		Available from N 41° 24' 56.75" W 81° 50' 54.15" to N 41° 21' 20.99" W 82° 9' 55.95"				
VOR: CAK		Available from N 41° 24' 56.75" W 81° 50' 54.15" to N 41° 21' 48.59" W 82° 5' 47.69"				
VOR: ACO		Available from N 41° 24' 56.75" W 81° 50' 54.15" to N 41° 22' 22.22" W 82° 0' 43.02"				
VOR: CXR		Available from N 41° 24' 56.75" W 81° 50' 54.15" to N 41° 22' 15.86" W 82° 1' 40.85"				
VOR: MFD		Available from N 41° 22' 21.64" W 82° 0' 48.28" to N 41° 21' 20.99" W 82° 9' 55.95"				

Available DMEs by Waypoints		Return To Summary
Waypoint Before	Waypoint After	DME List
RW24R(AER)	RW06L(DER)	
RW06L(DER)	GH24R:	DJB
GH24R:	CNWAY	CXR, DJB, and MFD

User Data					Return To Summary		
User Data Files							
#	File Name						
1	GTLKE1_New.udt						
User DMEs							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
1	CRL	N 42° 2' 52.90" W 83° 27' 27.30" 03 W	H	629.0	115.70	CRL	Not Used
		ESV:	Bearing [True]: 119.0° to 232.0° Bearing [Mag]: 122.0° to 235.0°		Arc Distance: Out to 74.0 NM Altitude: 6100.0 to 16000.0 ft		
2	DXO	N 42° 12' 47.29" W 83° 22' 0.00" 06 W	H	637.7	113.40	DXO	Not Used
		Restriction:	Bearing [True]: 354.0° to 354.0° Bearing [Mag]: 360.0° to 360.0°		Distance: Beyond 30.0 NM Altitude: Below 2900.0 ft		
		ESV:	Bearing [True]: 184.0° to 239.0° Bearing [Mag]: 190.0° to 245.0°		Arc Distance: Out to 102.0 NM Altitude: 9900.0 to 20000.0 ft		
3	DJB	N 41° 21' 29.03" W 82° 9' 43.09" 05 W	H	780.0	113.60	DJB	Not Used
		ESV:	Bearing [True]: 165.0° to 297.0° Bearing [Mag]: 170.0° to 302.0°		Arc Distance: Out to 102.0 NM Altitude: 8200.0 to 16000.0 ft		
4	CXR	N 41° 31' 0.94" W 81° 9' 47.47" 05 W	H	1317.2	112.70	CXR	Not Used
		ESV:	Bearing [True]: 235.0° to 273.0° Bearing [Mag]: 240.0° to 278.0°		Arc Distance: Out to 71.0 NM Altitude: 4500.0 to 16000.0 ft		
5	OXI	N 41° 19' 19.35" W 86° 38' 57.45" 00 E	H	690.0	115.60	OXI	Not Used
		ESV:	Bearing [True]: 360.0° to 138.0° Bearing [Mag]: 360.0° to 138.0°		Arc Distance: Out to 106.0 NM Altitude: 10000.0 to 20000.0 ft		
6	VIO	N 42° 47' 12.18" W 85° 29' 49.45" 04 W	H	803.4	115.95	VIO	Not Used
		Restriction:	Bearing [True]: 7.0° to 310.0° Bearing [Mag]: 11.0° to 314.0°		Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
		ESV:	Bearing [True]: 125.0° to 259.0° Bearing [Mag]: 129.0° to 263.0°		Arc Distance: Out to 101.0 NM Altitude: 10000.0 to 20000.0 ft		
7	LAN	N 42° 43' 2.62" W 84° 41' 51.03" 05 W	L	887.4	110.80	LAN	Disabled
8	LFD	N 42° 3' 44.96" W 84° 45' 54.48" 05 W	L	1040.0	111.20	LFD	Disabled
		Restriction:	Bearing [True]: 105.0° to 160.0° Bearing [Mag]: 110.0° to 165.0°		Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
9	ELX	N 42° 8' 39.88" W 86° 7' 21.74" 00 E	L	793.7	116.60	ELX	Disabled
10	GIJ	N 41° 46' 7.00" W 86° 19' 6.42" 00 E	H	802.7	115.40	GIJ	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
11	PMM	N 42° 27' 57.73" W 86° 6' 17.32" 00 E	H	639.9	112.10	PMM	Disabled
Restriction:		Bearing [True]: 360.0° to 360.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
12	MKG	N 43° 10' 9.31" W 86° 2' 21.76" 01 W	L	659.1	115.20	MKG	Disabled
Restriction:		Bearing [True]: 54.0° to 89.0° Bearing [Mag]: 55.0° to 90.0°			Distance: Beyond 10.0 NM Altitude: Below 4000.0 ft		
13	HIC	N 43° 34' 29.47" W 85° 42' 58.18" 01 W	L	920.0	117.60	HIC	Disabled
Restriction:		Bearing [True]: 19.0° to 89.0° Bearing [Mag]: 20.0° to 90.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 269.0° to 289.0° Bearing [Mag]: 270.0° to 290.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
14	PLN	N 45° 37' 50.33" W 84° 39' 50.79" 06 W	L	835.3	111.80	PLN	Disabled
15	MNM	N 45° 10' 48.58" W 87° 38' 49.83" 00 E	L	650.1	109.60	MNM	Disabled
16	CTW	N 40° 13' 45.15" W 81° 28' 35.32" 07 W	L	1180.0	111.80	CTW	Disabled
17	JFN	N 41° 45' 36.42" W 80° 44' 53.20" 05 W	L	896.3	115.20	JFN	Disabled
Restriction:		Bearing [True]: 226.0° to 255.0° Bearing [Mag]: 231.0° to 260.0°			Distance: Beyond 30.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 121.0° to 185.0° Bearing [Mag]: 126.0° to 190.0°			Distance: Beyond 20.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 186.0° to 225.0° Bearing [Mag]: 191.0° to 230.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 80.0° to 120.0° Bearing [Mag]: 85.0° to 125.0°			Distance: Beyond 35.0 NM Altitude: Below 3500.0 ft		
18	TVT	N 40° 27' 29.04" W 82° 7' 36.52" 03 W	L	1330.4	116.50	TVT	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
19	BDF	N 41° 9' 35.03" W 89° 35' 16.34" 00 E	H	810.0	114.70	BDF	Disabled
20	DNV	N 40° 17' 37.56" W 87° 33' 26.14" 02 E	L	698.8	111.00	DNV	Disabled
21	EON	N 41° 16' 10.68" W 87° 47' 27.79" 02 E	L	688.7	113.20	EON	Disabled
22	PLL	N 41° 57' 56.31" W 89° 31' 27.19" 03 E	L	840.0	111.20	PLL	Disabled
23	PNT	N 40° 49' 16.32" W 88° 44' 0.63" 03 E	L	680.0	109.60	PNT	Disabled
24	RBS	N 40° 34' 54.13" W 88° 9' 51.36" 02 E	L	780.0	116.80	RBS	Disabled
25	SAM	N 38° 29' 6.68" W 88° 5' 8.90" 03 E	L	540.0	116.60	SAM	Disabled
26	UIN	N 39° 50' 52.35" W 91° 16' 44.13" 05 E	H	715.1	113.60	UIN	Disabled
27	VLA	N 39° 5' 37.82" W 89° 9' 44.08" 04 E	L	605.5	114.30	VLA	Disabled
28	BVT	N 40° 33' 22.22" W 87° 4' 9.75" 01 E	H	752.2	115.10	BVT	Disabled
Restriction:		Bearing [True]: 299.0° to 45.0° Bearing [Mag]: 298.0° to 44.0°			Distance: Beyond 0.0 NM Altitude: Below 2800.0 ft		
29	GSH	N 41° 31' 30.56" W 86° 1' 40.63" 00 E	H	851.8	113.70	GSH	Disabled
Restriction:		Bearing [True]: 71.0° to 129.0° Bearing [Mag]: 71.0° to 129.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
30	ECB	N 38° 9' 30.11" W 82° 54' 36.20" 02 W	L	1070.0	110.40	ECB	Disabled
31	EWO	N 37° 37' 54.52" W 85° 40' 33.16" 01 E	L	960.0	110.80	EWO	Disabled
32	FLM	N 38° 38' 57.99" W 84° 18' 38.17" 04 W	H	808.5	117.00	FLM	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
33	YRK	N 38° 38' 38.88" W 82° 58' 42.02" 05 W	L	1040.0	112.80	YRK	Disabled
34	BRD	N 46° 20' 53.81" W 94° 1' 33.54" 03 E	H	1253.9	116.90	BRD	Disabled
Restriction:		Bearing [True]: 3.0° to 3.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 29.0 NM Altitude: Below 3000.0 ft		
35	DWN	N 45° 5' 14.87" W 94° 27' 13.86" 07 E	L	1130.0	109.00	DWN	Disabled
36	HML	N 48° 52' 9.07" W 97° 7' 4.45" 09 E	H	797.4	112.40	HML	Disabled
Restriction:		Bearing [True]: 84.0° to 94.0° Bearing [Mag]: 75.0° to 85.0°			Distance: Beyond 0.0 NM Altitude: Below 10000.0 ft		
Restriction:		Bearing [True]: 95.0° to 263.0° Bearing [Mag]: 86.0° to 254.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 264.0° to 279.0° Bearing [Mag]: 255.0° to 270.0°			Distance: Beyond 0.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 280.0° to 83.0° Bearing [Mag]: 271.0° to 74.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
37	ODI	N 43° 54' 44.38" W 91° 28' 3.06" 01 E	H	1282.2	117.90	ODI	Disabled
38	RST	N 43° 46' 58.45" W 92° 35' 49.06" 05 E	L	1393.0	112.00	RST	Disabled
39	CMK	N 41° 16' 48.32" W 73° 34' 52.77" 12 W	L	693.8	116.60	CMK	Disabled
40	DNY	N 42° 10' 41.81" W 74° 57' 24.99" 11 W	L	2560.0	112.10	DNY	Disabled
41	GFL	N 43° 20' 30.09" W 73° 36' 42.32" 14 W	L	323.7	110.20	GFL	Disabled
Restriction:		Bearing [True]: 346.0° to 346.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 0.0 NM Altitude: Below 9000.0 ft		
42	GGT	N 42° 47' 20.24" W 75° 49' 36.29" 11 W	L	2040.0	117.80	GGT	Disabled
43	HNK	N 42° 3' 47.00" W 75° 18' 58.62" 11 W	H	2070.0	116.80	HNK	Disabled
44	HUO	N 41° 24' 34.87" W 74° 35' 29.74" 11 W	H	1300.3	116.10	HUO	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
45	LGA	N 40° 47' 1.38" W 73° 52' 6.96" 12 W	L	8.9	113.10	LGA	Disabled
Restriction:		Bearing [True]: 233.0° to 268.0° Bearing [Mag]: 245.0° to 280.0°			Distance: Beyond 25.0 NM Altitude: Below 6000.0 ft		
46	HTO	N 40° 55' 8.38" W 72° 19' 0.14" 13 W	H	22.0	113.60	HTO	Disabled
Restriction:		Bearing [True]: 267.0° to 312.0° Bearing [Mag]: 280.0° to 325.0°			Distance: Beyond 35.0 NM Altitude: Below 1700.0 ft		
Restriction:		Bearing [True]: 312.0° to 342.0° Bearing [Mag]: 325.0° to 355.0°			Distance: Beyond 30.0 NM Altitude: Below 2000.0 ft		
47	MSS	N 44° 54' 51.92" W 74° 43' 21.78" 14 W	H	197.5	114.10	MSS	Disabled
48	PWL	N 41° 46' 11.18" W 73° 36' 1.99" 12 W	L	1250.0	114.30	PWL	Disabled
49	RKA	N 42° 27' 58.91" W 75° 14' 21.51" 11 W	L	2027.2	112.60	RKA	Disabled
50	SLK	N 44° 23' 4.41" W 74° 12' 16.21" 14 W	L	1646.8	109.20	SLK	Disabled
51	UCA	N 43° 1' 35.45" W 75° 9' 52.28" 12 W	L	1420.0	111.20	UCA	Disabled
52	ULW	N 42° 5' 39.16" W 77° 1' 28.53" 12 W	L	1631.8	109.65	ULW	Disabled
53	CRI	N 40° 36' 44.90" W 73° 53' 40.00" 11 W	T	10.0	112.30	CRI	Disabled
54	AGC	N 40° 16' 43.12" W 80° 2' 27.08" 09 W	L	1284.6	110.00	AGC	Disabled
55	BFD	N 41° 47' 10.99" W 78° 37' 9.65" 07 W	L	2110.6	116.60	BFD	Disabled
56	CIP	N 41° 8' 46.66" W 79° 27' 28.71" 06 W	L	1519.5	112.90	CIP	Disabled
57	ETG	N 41° 12' 53.82" W 78° 8' 33.92" 10 W	H	2250.0	116.00	ETG	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
58	FJC	N 40° 43' 36.12" W 75° 27' 17.12" 10 W	L	680.6	117.50	FJC	Disabled
Restriction:		Bearing [True]: 290.0° to 50.0° Bearing [Mag]: 300.0° to 60.0°			Distance: Beyond 26.0 NM Altitude: Below 4500.0 ft		
Restriction:		Bearing [True]: 51.0° to 289.0° Bearing [Mag]: 61.0° to 299.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
59	FQM	N 41° 20' 18.81" W 76° 46' 29.52" 09 W	L	2098.0	114.40	FQM	Disabled
60	IHD	N 39° 58' 27.27" W 79° 21' 30.12" 06 W	L	2820.0	108.20	IHD	Disabled
61	LVZ	N 41° 16' 22.09" W 75° 41' 22.08" 10 W	L	2118.8	111.60	LVZ	Disabled
62	MIP	N 41° 1' 24.21" W 76° 39' 55.04" 09 W	L	1000.0	109.20	MIP	Disabled
63	MXE	N 39° 55' 5.00" W 75° 40' 14.91" 09 W	L	473.4	113.20	MXE	Disabled
64	REC	N 40° 32' 47.25" W 78° 44' 49.28" 09 W	L	2340.0	110.60	REC	Disabled
65	SFK	N 41° 41' 42.91" W 77° 25' 11.66" 08 W	L	1984.7	108.60	SFK	Disabled
66	SLT	N 41° 30' 45.93" W 77° 58' 12.39" 08 W	H	2310.0	113.90	SLT	Disabled
67	TDT	N 41° 42' 46.91" W 79° 25' 2.17" 09 W	L	1710.0	117.60	TDT	Disabled
Restriction:		Bearing [True]: 32.0° to 42.0° Bearing [Mag]: 41.0° to 51.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
Restriction:		Bearing [True]: 296.0° to 331.0° Bearing [Mag]: 305.0° to 340.0°			Distance: Beyond 24.0 NM Altitude: Below 3500.0 ft		
Restriction:		Bearing [True]: 331.0° to 356.0° Bearing [Mag]: 340.0° to 5.0°			Distance: Beyond 24.0 NM Altitude: Below 5000.0 ft		
68	THS	N 39° 55' 59.62" W 77° 57' 3.40" 07 W	L	2338.0	115.00	THS	Disabled

User Data (Continued)					Return To Summary		
User DMEs (Continued)							
#	Name	Lat/Lon/MAGVAR	Range	Elevation [ft]	Frequency	Replaces	Status
69	AUW	N 44° 50' 48.40" W 89° 35' 11.68" 02 E	L	1204.7	111.60	AUW	Disabled
Restriction:		Bearing [True]: 322.0° to 302.0° Bearing [Mag]: 320.0° to 300.0°			Distance: Beyond 30.0 NM Altitude: Below 3000.0 ft		
Restriction:		Bearing [True]: 302.0° to 322.0° Bearing [Mag]: 300.0° to 320.0°			Distance: Beyond 30.0 NM Altitude: Below 4000.0 ft		
70	JVL	N 42° 33' 28.83" W 89° 6' 18.93" 03 E	L	931.4	114.30	JVL	Disabled
71	LNR	N 43° 17' 39.85" W 90° 7' 59.33" 00 E	L	1184.6	112.80	LNR	Disabled
72	STE	N 44° 32' 35.69" W 89° 31' 50.02" 01 W	L	1110.0	110.60	STE	Disabled
Restriction:		Bearing [True]: 359.0° to 359.0° Bearing [Mag]: 360.0° to 360.0°			Distance: Beyond 35.0 NM Altitude: Below 3000.0 ft		
73	CKB	N 39° 15' 11.57" W 80° 16' 4.32" 04 W	L	1425.7	112.60	CKB	Disabled
74	ESL	N 39° 13' 31.77" W 78° 59' 22.20" 06 W	L	2590.0	110.80	ESL	Disabled
75	HNN	N 38° 45' 14.85" W 82° 1' 34.20" 03 W	H	880.0	115.90	HNN	Disabled
76	GRV	N 39° 38' 6.11" W 79° 3' 1.90" 06 W	L	2640.0	112.30	GRV	Disabled
Restriction:		Bearing [True]: 301.0° to 64.0° Bearing [Mag]: 307.0° to 70.0°			Distance: Beyond 20.0 NM Altitude: Below 5000.0 ft		
Restriction:		Bearing [True]: 65.0° to 300.0° Bearing [Mag]: 71.0° to 306.0°			Distance: Beyond 20.0 NM Altitude: Below 6000.0 ft		
Restriction:		Bearing [True]: 102.0° to 107.0° Bearing [Mag]: 108.0° to 113.0°			Distance: Beyond 38.0 NM Altitude: Below 99999.0 ft		
Restriction:		Bearing [True]: 319.0° to 339.0° Bearing [Mag]: 325.0° to 345.0°			Distance: Beyond 35.0 NM Altitude: Below 99999.0 ft		
77	OKK	N 40° 31' 40.01" W 86° 3' 28.79" 05 W	H	825.8	113.50	OKK	Not Used
Restriction:		Bearing [True]: 171.0° to 229.0° Bearing [Mag]: 176.0° to 234.0°			Distance: Beyond 35.0 NM Altitude: Below 2400.0 ft		
ESV:		Bearing [True]: 356.0° to 50.0° Bearing [Mag]: 1.0° to 55.0°			Arc Distance: Out to 101.0 NM Altitude: 9900.0 to 20000.0 ft		